Tables for Cost of Top

TS
1631
.H3

THE LIBRARY OF CONGRESS
1800

Class TS 1631

Book .H 3

Copyright No.

COPYRIGHT DEPOSIT.

TABLES FOR ESTIMATING THE COST OF TOP

PREPARED FOR THE USE OF THE

ARLINGTON MILLS

LAWRENCE, MASS.

Copyright, 1905, by Wm. D. Hartshorne.

TS1631
.H3

LIBRARY OF CONGRESS
TWO COPIES RECEIVED
JUN 1 1905
COPYRIGHT ENTRY
May 20, 1905
CLASS a XXc. No.
117304
COPY B.

5-20787

TABLES FOR THE USE OF THE ARLINGTON MILLS

These tables are prepared for estimating the cost of Top from the estimated or known yield, and corresponding cost per scoured pound of wool, and from the estimated per cent of Noil on Top and Noil, where the price per pound of Noil is known or estimated.

NOMENCLATURE REPRESENTED

T = The per cent of Top with 15% regain of moisture and 2½% regain of oil.

n = The per cent of Noil with 2½% shrinkage of oil and 10% shrinkage of moisture.

$Y^{7\frac{1}{2}}$ = The per cent of yield with 7½% regain of moisture.

Y^{10} = The per cent of yield with 10% regain of moisture.

Y^{15} = The per cent of yield with 15% regain of moisture.

$T+n$ = Sum of Top and Noil under above standard conditions.

$C^{7\frac{1}{2}}$ = Cost in cents per scoured pound when yield is $Y^{7\frac{1}{2}}$.

C^{10} = Cost in cents per scoured pound when yield is Y^{10}.

C^{15} = Cost in cents per scoured pound when yield is Y^{15}.

All the above percentages are reckoned on the greasy wool.

N = The per cent of Noil on Top and Noil.

C = The cost of a pound of Top and Noil.

P = Price of Noil per pound.

C^t = The cost of stock in a pound of Top.

The tables are calculated from the following approximate formulas :—

Table 3. From the formula $Y^{7\frac{1}{2}} = \frac{T+n+3}{1.10}$

Table 4. From the formula $Y^{7\frac{1}{2}} = \frac{T+n+4}{1.10}$

Table N. From the formula $C^t = C + (C-P)\frac{N}{100-N}$

DIRECTIONS FOR USING THESE TABLES

In general, for all grades including 13 and finer, use Table 4, unless the undusted card waste is estimated to be not more than 2½%, in which case use Table 3.

For all grades of carded stock, including 14 and coarser, use Table 3, unless the undusted card waste is estimated to be more than 2½%, in which case use Table 4.

AN EXAMPLE ILLUSTRATING THE USE OF THE TABLES

The wool is a Territory, with estimated yield of 33½% for Y^{10}, and the corresponding scoured cost is 64.5 cents:—

Find in Table 4, in the horizontal column opposite Y^{10}, the large type figures 33.5. Find also, in the vertical column below C^{10}, the large type figures 64.5. At the junction of the vertical column, under 33.5, and the horizontal column, opposite 64.5, find the small type figures 67.5, for C, or the cost in cents of a pound of Top and Noil. Now if the price of Noil equals 46½ cents, C—P would equal 21 cents. Estimating the per cent of Noil on Top and Noil at 20%, in Table N, in the column where N equals 20, and opposite the 21 in the column of C—P, find the figures 5.3, or the number of cents to be added to the 67.5 (the cost of T+n) to get C^t, or the cost of stock (72.8) in a pound of Top. To this amount add charges for manufacturing, 7½ cents (for Territory) and the total estimated cost of a pound of Top would be 80.3 cents, without any allowance for value of card waste and burr waste. Such allowance would vary from ½ cent to 1 cent per pound, according to circumstances, and for safety might be neglected.

NOTE. The values of C in Tables 3 and 4 are calculated for carded stocks, combed in oil. No tables are necessary for values of C for prepared stock, but the following formulas give the relationships needed :—

$$T+n = 1.10\ Y^{7\frac{1}{2}} = 1.07\tfrac{1}{2}\ Y^{10} = 1.03\ Y^{15}$$

$$C = \frac{C^{7\frac{1}{2}}}{1.10} = \frac{C^{10}}{1.07\frac{1}{2}} = \frac{C^{15}}{1.03} \text{ or}$$

$$\text{(approximately) } C = .9\ C^{7\frac{1}{2}} = .93\ C^{10} = .97\ C^{15}$$

From the above a rule for finding the cost of a pound of Top and Noil on prepared stock, combed in oil, may be expressed thus:—

To find C :—Deduct 10% from $C^{7\frac{1}{2}}$ or 7% from C^{10} or 3% from C^{15}.

Values of C^t can then be found from Table N as before.

In all cases of stock combed without oil use same tables and formulas, but to value of C add 3% and then find C^t as before.

Whether or not the moisture in a pound of scoured wool is standardized at 7½%, or 10%, or 15% is a matter of no consequence, provided the basis is known, or agreed upon.

TABLE 3

		T+n =	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
		Y^{15} =	41.8	42.8	43.8	44.7	45.7	46.7	47.7	48.6	49.6	50.6	51.5	52.5	53.5	54.5	55.4	56.4	57.4	58.3	59.3	60.3
		Y^{10} =	40.0	40.9	41.9	42.8	43.7	44.6	45.6	46.5	47.4	48.4	49.3	50.2	51.2	52.1	53.0	53.9	54.9	55.8	56.7	57.7
C^{15}	C^{10}	$C^{7\frac{1}{2}} \mid Y^{7\frac{1}{2}}$	39.1	40.0	40.9	41.8	42.7	43.6	44.6	45.5	46.4	47.3	48.2	49.1	50.0	50.9	51.8	52.7	53.6	54.6	55.5	56.4
28.1	29.3	30	29.3	29.3	29.2	29.2	29.1	29.1	29.1	29.0	29.0	28.9	28.9	28.9	28.9	28.8	28.8	28.8	28.7	28.7	28.7	28.7
29.0	30.3	31	30.3	30.2	30.2	30.2	30.1	30.1	30.0	30.0	29.9	29.9	29.9	29.8	29.8	29.8	29.8	29.7	29.7	29.7	29.6	29.6
29.9	31.3	32	31.3	31.2	31.2	31.1	31.1	31.0	31.0	30.9	30.9	30.9	30.8	30.8	30.8	30.7	30.7	30.7	30.7	30.6	30.6	30.6
30.9	32.3	33	32.3	32.2	32.1	32.1	32.1	32.0	32.0	31.9	31.9	31.8	31.8	31.8	31.7	31.7	31.7	31.6	31.6	31.6	31.6	31.5
31.8	33.2	34	33.2	33.2	33.1	33.1	33.0	33.0	32.9	32.9	32.8	32.8	32.8	32.7	32.7	32.7	32.6	32.6	32.6	32.5	32.5	32.5
32.7	34.2	35	34.2	34.2	34.1	34.0	34.0	33.9	33.9	33.9	33.8	33.8	33.7	33.7	33.7	33.6	33.6	33.6	33.5	33.5	33.5	33.4
33.7	35.2	36	35.2	35.1	35.1	35.0	35.0	34.9	34.9	34.8	34.8	34.7	34.7	34.7	34.6	34.6	34.6	34.5	34.5	34.5	34.4	34.4
34.6	36.2	37	36.2	36.1	36.0	36.0	35.9	35.9	35.8	35.8	35.7	35.7	35.7	35.6	35.6	35.5	35.5	35.5	35.4	35.4	35.4	35.3
35.5	37.2	38	37.1	37.1	37.0	37.0	36.9	36.9	36.8	36.8	36.7	36.7	36.6	36.6	36.5	36.5	36.5	36.4	36.4	36.4	36.3	36.3
36.5	38.1	39	38.1	38.1	38.0	37.9	37.9	37.8	37.8	37.7	37.7	37.6	37.6	37.5	37.5	37.5	37.4	37.4	37.4	37.3	37.3	37.3
37.4	39.1	40	39.1	39.0	39.0	38.9	38.9	38.8	38.7	38.7	38.6	38.6	38.5	38.5	38.5	38.4	38.4	38.4	38.3	38.3	38.2	38.2
38.3	40.1	41	40.1	40.0	39.9	39.9	39.8	39.8	39.7	39.7	39.6	39.6	39.5	39.5	39.4	39.4	39.3	39.3	39.3	39.2	39.2	39.2
39.3	41.1	42	41.0	41.0	40.9	40.9	40.8	40.7	40.7	40.6	40.6	40.5	40.5	40.4	40.4	40.3	40.3	40.3	40.2	40.2	40.2	40.1
40.2	42.0	43	42.0	42.0	41.9	41.8	41.8	41.7	41.6	41.6	41.5	41.5	41.4	41.4	41.4	41.3	41.3	41.2	41.2	41.2	41.1	41.1
41.1	43.0	44	43.0	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.5	42.5	42.4	42.4	42.3	42.3	42.2	42.2	42.2	42.1	42.1	42.0
42.1	44.0	45	44.0	43.9	43.8	43.8	43.7	43.6	43.6	43.5	43.5	43.4	43.4	43.3	43.3	43.2	43.2	43.1	43.1	43.1	43.0	43.0
43.0	45.0	46	45.0	44.9	44.8	44.7	44.7	44.6	44.6	44.5	44.4	44.4	44.3	44.3	44.2	44.2	44.1	44.1	44.1	44.0	44.0	43.9
43.9	45.9	47	45.9	45.9	45.8	45.7	45.6	45.6	45.5	45.5	45.4	45.3	45.3	45.2	45.2	45.2	45.1	45.1	45.0	45.0	44.9	44.9
44.9	46.9	48	46.9	46.8	46.8	46.7	46.6	46.6	46.5	46.4	46.4	46.3	46.3	46.2	46.2	46.1	46.1	46.0	46.0	45.9	45.9	45.9
45.8	47.9	49	47.9	47.8	47.7	47.7	47.6	47.5	47.5	47.4	47.3	47.3	47.2	47.2	47.1	47.1	47.0	47.0	46.9	46.9	46.9	46.8
46.8	48.9	50	48.9	48.8	48.7	48.6	48.6	48.5	48.4	48.4	48.3	48.2	48.2	48.1	48.1	48.0	48.0	47.9	47.9	47.9	47.8	47.8
47.7	49.9	51	49.8	49.8	49.7	49.6	49.5	49.5	49.4	49.3	49.3	49.2	49.1	49.1	49.0	49.0	48.9	48.9	48.9	48.8	48.8	48.7
48.6	50.8	52	50.8	50.7	50.7	50.6	50.5	50.4	50.4	50.3	50.2	50.2	50.1	50.1	50.0	50.0	49.9	49.9	49.8	49.8	49.7	49.7
49.6	51.8	53	51.8	51.7	51.6	51.6	51.5	51.4	51.3	51.3	51.2	51.1	51.1	51.0	51.0	50.9	50.9	50.8	50.8	50.7	50.7	50.6
50.5	52.8	54	52.8	52.7	52.6	52.5	52.4	52.4	52.3	52.2	52.2	52.1	52.0	52.0	51.9	51.9	51.8	51.8	51.7	51.7	51.6	51.6

51.4	53.8	55	53.8	53.7	53.6	53.5	53.4	53.3	53.3	53.2	53.1	53.1	53.0	52.9	52.9	52.8	52.8	52.7	52.7	52.6	52.6	52.5
52.4	54.7	56	54.7	54.6	54.6	54.5	54.4	54.3	54.2	54.2	54.1	54.0	54.0	53.9	53.9	53.8	53.7	53.7	53.6	53.6	53.5	53.5
53.3	55.7	57	55.7	55.6	55.5	55.4	55.4	55.3	55.2	55.1	55.1	55.0	54.9	54.9	54.8	54.8	54.7	54.7	54.6	54.6	54.5	54.5
54.2	56.7	58	56.7	56.6	56.5	56.4	56.3	56.3	56.2	56.1	56.0	56.0	55.9	55.8	55.8	55.7	55.7	55.6	55.6	55.5	55.5	55.4
55.2	57.7	59	57.7	57.6	57.5	57.4	57.3	57.2	57.1	57.1	57.0	56.9	56.9	56.8	56.7	56.7	56.6	56.6	56.5	56.5	56.4	56.4
56.1	58.7	60	58.6	58.5	58.4	58.4	58.3	58.2	58.1	58.0	58.0	57.9	57.8	57.8	57.7	57.6	57.6	57.5	57.5	57.4	57.4	57.3
57.0	59.6	61	59.6	59.5	59.4	59.3	59.2	59.2	59.1	59.0	58.9	58.9	58.8	58.7	58.7	58.6	58.5	58.5	58.4	58.4	58.3	58.3
58.0	60.6	62	60.6	60.5	60.4	60.3	60.2	60.1	60.1	60.0	59.9	59.8	59.7	59.7	59.6	59.6	59.5	59.4	59.4	59.3	59.3	59.2
58.9	61.6	63	61.6	61.5	61.4	61.3	61.2	61.1	61.0	60.9	60.9	60.8	60.7	60.6	60.6	60.5	60.5	60.4	60.4	60.3	60.2	60.2
59.8	62.6	64	62.5	62.4	62.3	62.2	62.2	62.1	62.0	61.9	61.8	61.7	61.7	61.6	61.5	61.5	61.4	61.4	61.3	61.3	61.2	61.1
60.8	63.5	65	63.5	63.4	63.3	63.2	63.1	63.0	63.0	62.9	62.8	62.7	62.6	62.6	62.5	62.4	62.4	62.3	62.3	62.2	62.1	62.1
61.7	64.5	66	64.5	64.4	64.3	64.2	64.1	64.0	63.9	63.8	63.7	63.7	63.6	63.5	63.5	63.4	63.3	63.3	63.2	63.2	63.1	63.1
62.6	65.5	67	65.5	65.4	65.3	65.2	65.1	65.0	64.9	64.8	64.7	64.6	64.6	64.5	64.4	64.4	64.3	64.2	64.2	64.1	64.1	64.0
63.6	66.5	68	66.5	66.3	66.2	66.1	66.0	65.9	65.9	65.8	65.7	65.6	65.5	65.5	65.4	65.3	65.3	65.2	65.1	65.1	65.0	65.0
64.5	67.5	69	67.4	67.3	67.2	67.1	67.0	66.9	66.8	66.7	66.6	66.6	66.5	66.4	66.4	66.3	66.2	66.2	66.1	66.0	66.0	65.9
65.5	68.4	70	68.4	68.3	68.2	68.1	68.0	67.9	67.8	67.7	67.6	67.5	67.5	67.4	67.3	67.2	67.2	67.1	67.1	67.0	66.9	66.9
66.4	69.4	71	69.4	69.3	69.2	69.1	69.0	68.9	68.8	68.7	68.6	68.5	68.4	68.3	68.3	68.2	68.1	68.1	68.0	68.0	67.9	67.8
67.3	70.4	72	70.4	70.2	70.1	70.0	69.9	69.8	69.7	69.6	69.5	69.5	69.4	69.3	69.2	69.2	69.1	69.0	69.0	68.9	68.8	68.8
68.3	71.4	73	71 3	71.2	71.1	71.0	70.9	70.8	70.7	70.6	70.5	70.4	70.3	70.3	70.2	70.1	70.1	70.0	69.9	69.9	69.8	69.7
69.2	72.3	74	72.3	72.2	72.1	72.0	71.9	71.8	71.7	71.6	71.5	71.4	71.3	71.2	71.2	71.1	71.0	71.0	70.9	70.8	70.8	70.7
70.1	73.3	75	73.3	73.2	73.1	72.9	72.8	72.7	72.6	72.5	72.4	72.4	72.3	72.2	72.1	72.0	72.0	71.9	71.8	71.8	71.7	71.6
71.1	74.3	76	74.3	74.2	74.0	73.9	73.8	73.7	73.6	73.5	73.4	73.3	73.2	73.2	73.1	73.0	72.9	72.9	72.8	72.7	72.7	72.6
72.0	75.3	77	75.3	75.1	75.0	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0	74.0	73.9	73.8	73.8	73.7	73.6	73.6
72.9	76.3	78	76.2	76.1	76.0	75.9	75.8	75.6	75.5	75.4	75.3	75.3	75.2	75.1	75.0	74.9	74.9	74.8	74.7	74.7	74.6	74.5
73.9	77.2	79	77.2	77.1	77.0	76.8	76.7	76.6	76.5	76.4	76.3	76.2	76.1	76.0	76.0	75.9	75.8	75.7	75.7	75.6	75.5	75.5
74.8	78.2	80	78.2	78.1	77.9	77.8	77.7	77.6	77.5	77.4	77.3	77.2	77.1	77.0	76.9	76.9	76.8	76.7	76.6	76.6	76.5	76.4
75.7	79.2	81	79.2	79.0	78.9	78.8	78.7	78.6	78.5	78.3	78.2	78.1	78.1	78.0	77.9	77.8	77.7	77.7	77.6	77.5	77.4	77.4
76.7	80.2	82	80.1	80.0	79.9	79.8	79.6	79.5	79.4	79.3	79.2	79.1	79.0	78.9	78.9	78.8	78.7	78.6	78.5	78.5	78.4	78.3
77.6	81.1	83	81.1	81.0	80.9	80.7	80.6	80.5	80.4	80.3	80.2	80.1	80.0	79.9	79.8	79.7	79.7	79.6	79.5	79.4	79.4	79.3
78.5	82.1	84	82.1	82.0	81.8	81.7	81.6	81.5	81.4	81.2	81.1	81.0	80.9	80.9	80.8	80.7	80.6	80.5	80.5	80.4	80.3	80.2
79.5	83.1	85	83.1	82.9	82.8	82.7	82.6	82.4	82.3	82.2	82.1	82.0	81.9	81.8	81.7	81.7	81.6	81.5	81.4	81.4	81.3	81.2
80.4	84.1	86	84.0	83.9	83.8	83.6	83.5	83.4	83.3	83.2	83.1	83.0	82.9	82.8	82.7	82.6	82.5	82.5	82.4	82.3	82.2	82.2
81.3	85.0	87	85.0	84.9	84.7	84.6	84.5	84.4	84.3	84.1	84.0	83.9	83.8	83.7	83.7	83.6	83.5	83.4	83.3	83.3	83.2	83.1
82.3	86.0	88	86.0	85.9	85.7	85.6	85.5	85.3	85.2	85.1	85.0	84.9	84.8	84.7	84.6	84.5	84.5	84.4	84.3	84.2	84.1	84.1
83.2	87.0	89	87.0	86.8	86.7	86.6	86.4	86.3	86.2	86.1	86.0	85.9	85.8	85.7	85.6	85.5	85.4	85.3	85.3	85.2	85.1	85.0

TABLE 3

		T+n =	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
		Y^{15} =	61.3	62.2	63.2	64.2	65.1	66.1	67.1	68.1	69.0	70.0	71.0	72.0	72.9	73.9	74.9	75.8	76.8	77.8	78.8	79.7
		Y^{10} =	58.6	59.5	60.5	61.4	62.3	63.2	64.2	65.1	66.0	67.0	67.9	68.8	69.8	70.7	71.6	72.5	73.5	74.4	75.3	76 3
C^{15}	C^{10}	$C^{7\frac{1}{2}} \mid Y^{7\frac{1}{2}}$	57.3	58.2	59.1	60.0	60.9	61.8	62.7	63.6	64.6	65.5	66.4	67.3	68.2	69.1	70.0	70.9	71.8	72.7	73.6	74.6
28.1	29.3	30	28.6	28.6	28.6	28.6	28.6	28.5	28.5	28.5	28.5	28.5	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.3	28.3	28.3
29.0	30.3	31	29.6	29.6	29.5	29.5	29.5	29.5	29.5	29.5	29.4	29.4	29.4	29.4	29.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3
29.9	31.3	32	30.5	30.5	30.5	30.5	30.5	30.4	30.4	30.4	30.4	30.4	30.3	30.3	30.3	30.3	30.3	30.3	30.2	30.2	30.2	30.2
30.9	32.3	33	31.5	31.5	31.5	31.4	31.4	31.4	31.4	31.4	31.3	31.3	31.3	31.3	31.3	31.2	31.2	31.2	31.2	31.2	31.2	31.1
31.8	33.2	34	32.5	32.4	32.4	32.4	32.4	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1
32.7	34.2	35	33.4	33.4	33.4	33.3	33.3	33.3	33.3	33.2	33.2	33.2	33.2	33.2	33.1	33.1	33.1	33.1	33.1	33.1	33.0	33.0
33.7	35.2	36	34.4	34.3	34.3	34.3	34.3	34.2	34.2	34.2	34.2	34.2	34.1	34.1	34.1	34.1	34.1	34.0	34.0	34.0	34.0	34.0
34.6	36.2	37	35.3	35.3	35.3	35.2	35.2	35.2	35.2	35.1	35.1	35.1	35.1	35.1	35.0	35.0	35.0	35.0	35.0	35.0	34.9	34.9
35.5	37.2	38	36.3	36.2	36.2	36.2	36.2	36.1	36.1	36.1	36.1	36.0	36.0	36.0	36.0	36.0	36.0	35.9	35.9	35.9	35.9	35.9
36.5	38.1	39	37.2	37.2	37.2	37.1	37.1	37.1	37.1	37.0	37.0	37.0	37.0	37.0	36.9	36.9	36.9	36.9	36.9	36.8	36.8	36.8
37.4	39.1	40	38.2	38.2	38.1	38.1	38.1	38.0	38.0	38.0	38.0	37.9	37.9	37.9	37.9	37.9	37.8	37.8	37.8	37.8	37.8	37.8
38.3	40.1	41	39.1	39.1	39.1	39.1	39.0	39.0	39.0	38.9	38.9	38.9	38.9	38.9	38.8	38.8	38.8	38.8	38.7	38.7	38.7	38.7
39.3	41.1	42	40.1	40.1	40.0	40.0	40.0	40.0	39.9	39.9	39.9	39.8	39.8	39.8	39.8	39.8	39.7	39.7	39.7	39.7	39.7	39.6
40.2	42.0	43	41.0	41.0	41.0	41.0	40.9	40.9	40.9	40.8	40.8	40.8	40.8	40.7	40.7	40.7	40.7	40.7	40.6	40.6	40.6	40.6
41.1	43.0	44	42.0	42.0	41.9	41.9	41.9	41.9	41.8	41.8	41.8	41.7	41.7	41.7	41.7	41.6	41.6	41.6	41.6	41.6	41.5	41.5
42.1	44.0	45	43.0	42.9	42.9	42.9	42.8	42.8	42.8	42.7	42.7	42.7	42.7	42.6	42.6	42.6	42.6	42.6	42.5	42.5	42.5	42.5
43.0	45.0	46	43.9	43.9	43.8	43.8	43.8	43.8	43.7	43.7	43.7	43.6	43.6	43.6	43.6	43.5	43.5	43.5	43.5	43.5	43.4	43.4
43.9	45.9	47	44.9	44.8	44.8	44.8	44.7	44.7	44.7	44.6	44.6	44.6	44.6	44.5	44.5	44.5	44.5	44.4	44.4	44.4	44.4	44.4
44.9	46.9	48	45.8	45.8	45.8	45.7	45.7	45.7	45.6	45.6	45.6	45.5	45.5	45.5	45.5	45.4	45.4	45.4	45.4	45.3	45.3	45.3
45.8	47.9	49	46.8	46.7	46.7	46.7	46.6	46.6	46.6	46.5	46.5	46.5	46.5	46.4	46.4	46.4	46.4	46.3	46.3	46.3	46.3	46.2
46.8	48.9	50	47.7	47.7	47.7	47.6	47.6	47.6	47.5	47.5	47.5	47.4	47.4	47.4	47.4	47.3	47.3	47.3	47.3	47.2	47.2	47.2
47.7	49.9	51	48.7	48.6	48.6	48.6	48.5	48.5	48.5	48.4	48.4	48.4	48.4	48.3	48.3	48.3	48.2	48.2	48.2	48.2	48.2	48.1
48.6	50.8	52	49.6	49.6	49.6	49.5	49.5	49.5	49.4	49.4	49.4	49.3	49.3	49.3	49.2	49.2	49.2	49.2	49.1	49.1	49.1	49.1
49.6	51.8	53	50.6	50.6	50.5	50.5	50.4	50.4	50.4	50.3	50.3	50.3	50.2	50.2	50.2	50.2	50.1	50.1	50.1	50.1	50.0	50.0
50.5	52.8	54	51.5	51.5	51.5	51.4	51.4	51.4	51.3	51.3	51.3	51.2	51.2	51.2	51.1	51.1	51.1	51.1	51.0	51.0	51.0	51.0

51.4	53.8	55	52.5	52.5	52.4	52.4	52.3	52.3	52.3	52.2	52.2	52.2	52.1	52.1	52.1	52.1	52.0	52.0	52.0	52.0	51.9	51.9
52.4	54.7	56	53.5	53.4	53.4	53.3	53.3	53.3	53.2	53.2	53.2	53.1	53.1	53.1	53.0	53.0	53.0	53.0	52.9	52.9	52.9	52.9
53.3	55.7	57	54.4	54.4	54.3	54.3	54.3	54.2	54.2	54.1	54.1	54.1	54.0	54.0	54.0	54.0	53.9	53.9	53.9	53.8	53.8	53.8
54.2	56.7	58	55.4	55.3	55.3	55.2	55.2	55.2	55.1	55.1	55.1	55.0	55.0	55.0	54.9	54.9	54.9	54.8	54.8	54.8	54.8	54.7
55.2	57.7	59	56.3	56.3	56.2	56.2	56.2	56.1	56.1	56.0	56.0	56.0	55.9	55.9	55.9	55.8	55.8	55.8	55.8	55.7	55.7	55.7
56.1	58.7	60	57.3	57.2	57.2	57.1	57.1	57.1	57.0	57.0	57.0	56.9	56.9	56.9	56.8	56.8	56.8	56.7	56.7	56.7	56.7	56.6
57.0	59.6	61	58.2	58.2	58.1	58.1	58.1	58.0	58.0	57.9	57.9	57.9	57.8	57.8	57.8	57.7	57.7	57.7	57.6	57.6	57.6	57.6
58.0	60.6	62	59.2	59.1	59.1	59.1	59.0	59.0	58.9	58.9	58.9	58.8	58.8	58.7	58.7	58.7	58.7	58.6	58.6	58.6	58.5	58.5
58.9	61.6	63	60.1	60.1	60.0	60.0	60.0	59.9	59.9	59.8	59.8	59.8	59.7	59.7	59.7	59.6	59.6	59.6	59.5	59.5	59.5	59.5
59.8	62.6	64	61.1	61.0	61.0	61.0	60.9	60.9	60.8	60.8	60.8	60.7	60.7	60.6	60.6	60.6	60.5	60.5	60.5	60.5	60.4	60.4
60.8	63.5	65	62.0	62.0	62.0	61.9	61.9	61.8	61.8	61.7	61.7	61.7	61.6	61.6	61.6	61.5	61.5	61.5	61.4	61.4	61.4	61.3
61.7	64.5	66	63.0	63.0	62.9	62.9	62.8	62.8	62.7	62.7	62.7	62.6	62.6	62.5	62.5	62.5	62.4	62.4	62.4	62.3	62.3	62.3
62.6	65.5	67	64.0	63.9	63.9	63.8	63.8	63.7	63.7	63.6	63.6	63.6	63.5	63.5	63.5	63.4	63.4	63.4	63.3	63.3	63.3	63.2
63.6	66.5	68	64.9	64.9	64.8	64.8	64.7	64.7	64.6	64.6	64.6	64.5	64.5	64.4	64.4	64.4	64.3	64.3	64.3	64.2	64.2	64.2
64.5	67.5	69	65.9	65.8	65.8	65.7	65.7	65.6	65.6	65.5	65.5	65.5	65.4	65.4	65.3	65.3	65.3	65.2	65.2	65.2	65.1	65.1
65.5	68.4	70	66.8	66.8	66.7	66.7	66.6	66.6	66.5	66.5	66.5	66.4	66.4	66.3	66.3	66.3	66.2	66.2	66.2	66.1	66.1	66.1
66.4	69.4	71	67.8	67.7	67.7	67.6	67.6	67.5	67.5	67.4	67.4	67.4	67.3	67.3	67.2	67.2	67.2	67.1	67.1	67.1	67.0	67.0
67.3	70.4	72	68.7	68.7	68.6	68.6	68.5	68.5	68.4	68.4	68.4	68.3	68.3	68.2	68.2	68.1	68.1	68.1	68.0	68.0	68.0	67.9
68.3	71.4	73	69.7	69.6	69.6	69.5	69.5	69.4	69.4	69.3	69.3	69.2	69.2	69.2	69.1	69.1	69.1	69.0	69.0	69.0	68.9	68.9
69.2	72.3	74	70.6	70.6	70.5	70.5	70.4	70.4	70.3	70.3	70.3	70.2	70.2	70.1	70.1	70.0	70.0	70.0	69.9	69.9	69.9	69.8
70.1	73.3	75	71.6	71.5	71.5	71.4	71.4	71.3	71.3	71.2	71.2	71.1	71.1	71.1	71.0	71.0	71.0	70.9	70.9	70.8	70.8	70.8
71.1	74.3	76	72.5	72.5	72.4	72.4	72.3	72.3	72.2	72.2	72.1	72.1	72.1	72.0	72.0	71.9	71.9	71.9	71.8	71.8	71.8	71.7
72.0	75.3	77	73.5	73.4	73.4	73.3	73.3	73.2	73.2	73.1	73.1	73.0	73.0	73.0	72.9	72.9	72.8	72.8	72.8	72.7	72.7	72.7
72.9	76.3	78	74.5	74.4	74.3	74.3	74.2	74.2	74.1	74.1	74.0	74.0	73.9	73.9	73.9	73.8	73.8	73.8	73.7	73.7	73.6	73.6
73.9	77.2	79	75.4	75.4	75.3	75.2	75.2	75.1	75.1	75.0	75.0	74.9	74.9	74.9	74.8	74.8	74.7	74.7	74.7	74.6	74.6	74.6
74.8	78.2	80	76.4	76.3	76.3	76.2	76.1	76.1	76.0	76.0	75.9	75.9	75.8	75.8	75.8	75.7	75.7	75.6	75.6	75.6	75.5	75.5
75.7	79.2	81	77.3	77.3	77.2	77.1	77.1	77.0	77.0	76.9	76.9	76.8	76.8	76.7	76.7	76.7	76.6	76.6	76.5	76.5	76.5	76.4
76.7	80.2	82	78.3	78.2	78.2	78.1	78.0	78.0	77.9	77.9	77.8	77.8	77.7	77.7	77.7	77.6	77.6	77.5	77.5	77.5	77.4	77.4
77.6	81.1	83	79.2	79.2	79.1	79.1	79.0	78.9	78.9	78.8	78.8	78.7	78.7	78.6	78.6	78.6	78.5	78.5	78.4	78.4	78.4	78.3
78.5	82.1	84	80.2	80.1	80.1	80.0	79.9	79.9	79.8	79.8	79.7	79.7	79.6	79.6	79.5	79.5	79.5	79.4	79.4	79.3	79.3	79.3
79.5	83.1	85	81.1	81.1	81.0	81.0	80.9	80.8	80.8	80.7	80.7	80.6	80.6	80.5	80.5	80.5	80.4	80.4	80.3	80.3	80.3	80.2
80.4	84.1	86	82.1	82.0	82.0	81.9	81.9	81.8	81.7	81.7	81.6	81.6	81.5	81.5	81.4	81.4	81.4	81.3	81.3	81.2	81.2	81.2
81.3	85.0	87	83.0	83.0	82.9	82.9	82.8	82.7	82.7	82.6	82.6	82.5	82.5	82.4	82.4	82.3	82.3	82.3	82.2	82.2	82.1	82.1
82.3	86.0	88	84.0	83.9	83.9	83.8	83.8	83.7	83.6	83.6	83.5	83.5	83.4	83.4	83.3	83.3	83.2	83.2	83.2	83.1	83.1	83.0
83.2	87.0	89	85.0	84.9	84.8	84.8	84.7	84.7	84.6	84.5	84.5	84.4	84.4	84.3	84.3	84.2	84.2	84.2	84.1	84.1	84.0	84.0

TABLE 3

		T+n =	80	81	82	83	84	85	86	87	88	89	90
		Y^{15} =	**80.7**	**81.7**	**82.6**	**83.6**	**84.6**	**85.6**	**86.5**	**87.5**	**88.5**	**89.5**	**90.4**
		Y^{10} =	**77.2**	**78.1**	**79.1**	**80.0**	**80.9**	**81.8**	**82.8**	**83.7**	**84.6**	**85.6**	**86.5**
C^{15}	C^{10}	$C^{7\frac{1}{2}} \mid Y^{7\frac{1}{2}}$	**75.5**	**76.4**	**77.3**	**78.2**	**79.1**	**80.0**	**80.9**	**81.8**	**82.7**	**83.6**	**84.6**
28.1	**29.3**	**30**	28.3	28.3	28.3	28.3	28.3	28.2	28.2	28.2	28.2	28.2	28.2
29.0	**30.3**	**31**	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.1	29.1	29.1
29.9	**31.3**	**32**	30.2	30.2	30.2	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
30.9	**32.3**	**33**	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.0	31.0	31.0	31.0
31.8	**33.2**	**34**	32.1	32.1	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	31.9
32.7	**34.2**	**35**	33.0	33.0	33.0	33.0	33.0	32.9	32.9	32.9	32.9	32.9	32.9
33.7	**35.2**	**36**	34.0	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.8	33.8	33.8
34.6	**36.2**	**37**	34.9	34.9	34.9	34.9	34.8	34.8	34.8	34.8	34.8	34.8	34.8
35.5	**37.2**	**38**	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.7	35.7	35.7	35.7
36.5	**38.1**	**39**	36.8	36.8	36.8	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.6
37.4	**39.1**	**40**	37.7	37.7	37.7	37.7	37.7	37.7	37.6	37.6	37.6	37.6	37.6
38.3	**40.1**	**41**	38.7	38.7	38.6	38.6	38.6	38.6	38.6	38.6	38.5	38.5	38.5
39.3	**41.1**	**42**	39.6	39.6	39.6	39.6	39.5	39.5	39.5	39.5	39.5	39.5	39.5
40.2	**42.0**	**43**	40.6	40.5	40.5	40.5	40.5	40.5	40.5	40.4	40.4	40.4	40.4
41.1	**43.0**	**44**	41.5	41.5	41.5	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.3
42.1	**44.0**	**45**	42.4	42.4	42.4	42.4	42.4	42.4	42.3	42.3	42.3	42.3	42.3
43.0	**45.0**	**46**	43.4	43.4	43.4	43.3	43.3	43.3	43.3	43.3	43.3	43.2	43.2
43.9	**45.9**	**47**	44.3	44.3	44.3	44.3	44.3	44.2	44.2	44.2	44.2	44.2	44.2
44.9	**46.9**	**48**	45.3	45.3	45.2	45.2	45.2	45.2	45.2	45.1	45.1	45.1	45.1
45.8	**47.9**	**49**	46.2	46.2	46.2	46.2	46.1	46.1	46.1	46.1	46.1	46.1	46.0
46.8	**48.9**	**50**	47.2	47.1	47.1	47.1	47.1	47.1	47.0	47.0	47.0	47.0	47.0
47.7	**49.9**	**51**	48.1	48.1	48.1	48.0	48.0	48.0	48.0	48.0	48.0	47.9	47.9
48.6	**50.8**	**52**	49.0	49.0	49.0	49.0	49.0	48.9	48.9	48.9	48.9	48.9	48.9
49.6	**51.8**	**53**	50.0	50.0	49.9	49.9	49.9	49.9	49.9	49.8	49.8	49.8	49.8
50.5	**52.8**	**54**	50.9	50.9	50.9	50.9	50.8	50.8	50.8	50.8	50.8	50.8	50.7

51.4	53.8	55	51.9	51.9	51.8	51.8	51.8	51.8	51.7	51.7	51.7	51.7	51.7
52.4	54.7	56	52.8	52.8	52.8	52.8	52.7	52.7	52.7	52.7	52.7	52.6	52.6
53.3	55.7	57	53.8	53.7	53.7	53.7	53.7	53.7	53.6	53.6	53.6	53.6	53.6
54.2	56.7	58	54.7	54.7	54.7	54.6	54.6	54.6	54.6	54.6	54.5	54.5	54.5
55.2	57.7	59	55.6	55.6	55.6	55.6	55.6	55.5	55.5	55.5	55.5	55.5	55.4
56.1	58.7	60	56.6	56.6	56.5	56.5	56.5	56.5	56.5	56.4	56.4	56.4	56.4
57.0	59.6	61	57.5	57.5	57.5	57.5	57.4	57.4	57.4	57.4	57.4	57.3	57.3
58.0	60.6	62	58.5	58.5	58.4	58.4	58.4	58.4	58.3	58.3	58.3	58.3	58.3
58.9	61.6	63	59.4	59.4	59.4	59.3	59.3	59.3	59.3	59.3	59.2	59.2	59.2
59.8	62.6	64	60.4	60.3	60.3	60.3	60.3	60.2	60.2	60.2	60.2	60.2	60.1
60.8	63.5	65	61.3	61.3	61.3	61.2	61.2	61.2	61.2	61.1	61.1	61.1	61.1
61.7	64.5	66	62.3	62.2	62.2	62.2	62.1	62.1	62.1	62.1	62.1	62.0	62.0
62.6	65.5	67	63.2	63.2	63.1	63.1	63.1	63.1	63.0	63.0	63.0	63.0	62.9
63.6	66.5	68	64.1	64.1	64.1	64.1	64.0	64.0	64.0	64.0	63.9	63.9	63.9
64.5	67.5	69	65.1	65.1	65.0	65.0	65.0	64.9	64.9	64.9	64.9	64.8	64.8
65.5	68.4	70	66.0	66.0	66.0	65.9	65.9	65.9	65.9	65.8	65.8	65.8	65.8
66.4	69.4	71	67.0	66.9	66.9	66.9	66.9	66.8	66.8	66.8	66.8	66.7	66.7
67.3	70.4	72	67.9	67.9	67.9	67.8	67.8	67.8	67.7	67.7	67.7	67.7	67.6
68.3	71.4	73	68.9	68.8	68.8	68.8	68.7	68.7	68.7	68.7	68.6	68.6	68.6
69.2	72.3	74	69.8	69.8	69.7	69.7	69.7	69.7	69.6	69.6	69.6	69.5	69.5
70.1	73.3	75	70.7	70.7	70.7	70.6	70.6	70.6	70.6	70.5	70.5	70.5	70.5
71.1	74.3	76	71.7	71.7	71.6	71.6	71.6	71.5	71.5	71.5	71.5	71.4	71.4
72.0	75.3	77	72.6	72.6	72.6	72.5	72.5	72.5	72.4	72.4	72.4	72.4	72.3
72.9	76.3	78	73.6	73.5	73.5	73.5	73.4	73.4	73.4	73.4	73.3	73.3	73.3
73.9	77.2	79	74.5	74.5	74.4	74.4	74.4	74.4	74.3	74.3	74.3	74.2	74.2
74.8	78.2	80	75.5	75.4	75.4	75.4	75.3	75.3	75.3	75.2	75.2	75.2	75.2
75.7	79.2	81	76.4	76.4	76.3	76.3	76.3	76.2	76.2	76.2	76.2	76.1	76.1
76.7	80.2	82	77.3	77.3	77.3	77.2	77.2	77.2	77.2	77.1	77.1	77.1	77.0
77.6	81.1	83	78.3	78.3	78.2	78.2	78.2	78.1	78.1	78.1	78.0	78.0	78.0
78.5	82.1	84	79.2	79.2	79.2	79.1	79.1	79.1	79.0	79.0	79.0	78.9	78.9
79.5	83.1	85	80.2	80.1	80.1	80.1	80.0	80.0	80.0	79.9	79.9	79.9	79.9
80.4	84.1	86	81.1	81.1	81.0	81.0	81.0	80.9	80.9	80.9	80.9	80.8	80.8
81.3	85.0	87	82.1	82.0	82.0	82.0	81.9	81.9	81.9	81.8	81.8	81.8	81.7
82.3	86.0	88	83.0	83.0	82.9	82.9	82.9	82.8	82.8	82.8	82.7	82.7	82.7
83.2	87.0	89	83.9	83.9	83.9	83.8	83.8	83.8	83.7	83.7	83.7	83.6	83.6

TABLE 4

		T+n =	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
		Y^{15} =	23.3	24.3	25.3	26.3	27.2	28.2	29.2	30.1	31.1	32.1	33.1	34.0	35.0	36.0	37.0	37.9	38.9	39.9	40.8	41.8
		Y^{10} =	22.3	23.3	24.2	25.1	26.0	27.0	27.9	28.8	29.8	30.7	31.6	32.6	33.5	34.4	35.3	36.3	37.2	38.1	39.1	40.0
C^{15}	C^{10}	$C^{7\frac{1}{2}} \mid Y^{7\frac{1}{2}}$	21.8	22.7	23.6	24.6	25.5	26.4	27.3	28.2	29.1	30.0	30.9	31.8	32.7	33.6	34.6	35.5	36.4	37.3	38.2	39.1
37.4	39.1	40	43.6	43.3	43.0	42.7	42.4	42.2	42.0	41.8	41.6	41.4	41.2	41.1	40.9	40.8	40.7	40.5	40.4	40.3	40.2	40.1
38.3	40.1	41	44.7	44.4	44.1	43.8	43.5	43.2	43.0	42.8	42.6	42.4	42.2	42.1	41.9	41.8	41.7	41.5	41.4	41.3	41.2	41.1
39.3	41.1	42	45.8	45.5	45.1	44.8	44.5	44.3	44.1	43.8	43.6	43.5	43.3	43.1	43.0	42.8	42.7	42.5	42.4	42.3	42.2	42.1
40.2	42.0	43	46.9	46.5	46.2	45.9	45.6	45.3	45.1	44.9	44.7	44.5	44.3	44.1	44.0	43.8	43.7	43.6	43.4	43.3	43.2	43.1
41.1	43.0	44	48.0	47.6	47.3	47.0	46.7	46.4	46.2	45.9	45.7	45.5	45.3	45.2	45.0	44.9	44.7	44.6	44.4	44.3	44.2	44.1
42.1	44.0	45	49.1	48.7	48.4	48.0	47.7	47.5	47.2	47.0	46.8	46.6	46.4	46.2	46.0	45.9	45.7	45.6	45.5	45.3	45.2	45.1
43.0	45.0	46	50.2	49.8	49.4	49.1	48.8	48.5	48.3	48.0	47.8	47.6	47.4	47.2	47.1	46.9	46.7	46.6	46.5	46.3	46.2	46.1
43.9	45.9	47	51.3	50.9	50.5	50.2	49.8	49.6	49.3	49.1	48.8	48.6	48.4	48.2	48.1	47.9	47.8	47.6	47.5	47.3	47.2	47.1
44.9	46.9	48	52.4	52.0	51.6	51.2	50.9	50.6	50.3	50.1	49.9	49.7	49.5	49.3	49.1	48.9	48.8	48.6	48.5	48.4	48.2	48.1
45.8	47.9	49	53.5	53.0	52.7	52.3	52.0	51.7	51.4	51.1	50.9	50.7	50.5	50.3	50.1	50.0	49.8	49.6	49.5	49.4	49.2	49.1
46.7	48.9	50	54.6	54.1	53.7	53.4	53.0	52.7	52.4	52.2	52.0	51.7	51.5	51.3	51.1	51.0	50.8	50.6	50.5	50.4	50.2	50.1
47.7	49.9	51	55.6	55.2	54.8	54.4	54.1	53.8	53.5	53.2	53.0	52.8	52.6	52.4	52.2	52.0	51.8	51.7	51.5	51.4	51.2	51.1
48.6	50.8	52	56.7	56.3	55.9	55.5	55.1	54.8	54.6	54.3	54.0	53.8	53.6	53.4	53.2	53.0	52.8	52.7	52.5	52.4	52.3	52.1
49.6	51.8	53	57.8	57.4	57.0	56.6	56.2	55.9	55.6	55.3	55.1	54.8	54.6	54.4	54.2	54.0	53.9	53.7	53.5	53.4	53.3	53.1
50.5	52.8	54	58.9	58.4	58.0	57.6	57.3	56.9	56.6	56.4	56.1	55.9	55.6	55.4	55.2	55.1	54.9	54.7	54.5	54.4	54.3	54.1
51.4	53.8	55	60.0	59.5	59.1	58.7	58.3	58.0	57.7	57.4	57.1	56.9	56.7	56.5	56.3	56.1	55.9	55.7	55.6	55.4	55.3	55.1
52.4	54.7	56	61.1	60.6	60.2	59.8	59.4	59.1	58.7	58.5	58.2	57.9	57.7	57.5	57.3	57.1	56.9	56.7	56.6	56.4	56.3	56.1
53.3	55.7	57	62.2	61.7	61.3	60.8	60.4	60.1	59.8	59.5	59.2	59.0	58.7	58.5	58.3	58.1	57.9	57.7	57.6	57.4	57.3	57.1
54.2	56.7	58	63.3	62.8	62.3	61.9	61.5	61.2	60.8	60.5	60.3	60.0	59.8	59.5	59.3	59.1	58.9	58.8	58.6	58.4	58.3	58.1
55.2	57.7	59	64.4	63.9	63.4	63.0	62.6	62.2	61.9	61.6	61.3	61.0	60.8	60.6	60.4	60.1	60.0	59.8	59.6	59.4	59.3	59.1
56.1	58.7	60	65.5	64.9	64.5	64.0	63.6	63.3	62.9	62.6	62.3	62.1	61.8	61.6	61.4	61.2	61.0	60.8	60.6	60.4	60.3	60.1
57.0	59.6	61	66.6	66.0	65.6	65.1	64.7	64.3	64.0	63.7	63.4	63.1	62.9	62.6	62.4	62.2	62.0	61.8	61.6	61.5	61.3	61.1
58.0	60.6	62	67.6	67.1	66.6	66.2	65.8	65.4	65.0	64.7	64.4	64.1	63.9	63.6	63.4	63.2	63.0	62.8	62.6	62.5	62.3	62.1
58.9	61.6	63	68.7	68.2	67.7	67.3	66.8	66.4	66.1	65.8	65.5	65.2	64.9	64.7	64.4	64.2	64.0	63.8	63.6	63.5	63.3	63.2
59.8	62.6	64	69.8	69.3	68.8	68.3	67.9	67.5	67.1	66.8	66.5	66.2	65.9	65.7	65.5	65.2	65.0	64.8	64.6	64.5	64.3	64.2

60.8	63.5	65	70.9	70.4	69.9	69.4	68.9	68.5	68.2	67.8	67.5	67.2	67.0	66.7	66.5	66.3	66.1	65.8	65.7	65.5	65.3	65.2
61.7	64.5	66	72.0	71.4	70.9	70.5	70.0	69.6	69.2	68.9	68.6	68.3	68.0	67.8	67.5	67.3	67.1	66.9	66.7	66.5	66.3	66.2
62.6	65.5	67	73.1	72.5	72.0	71.5	71.1	70.6	70.3	69.9	69.6	69.3	69.0	68.8	68.5	68.3	68.1	67.9	67.7	67.5	67.3	67.2
63.6	66.5	68	74.2	73.6	73.1	72.6	72.1	71.7	71.3	71.0	70.7	70.3	70.1	69.8	69.6	69.3	69.1	68.9	68.7	68.5	68.3	68.2
64.5	67.5	69	75.3	74.7	74.1	73.7	73.2	72.8	72.4	72.0	71.7	71.4	71.1	70.8	70.6	70.3	70.1	69.9	69.7	69.5	69.3	69.2
65.4	68.4	70	76.4	75.8	75.2	74.7	74.2	73.8	73.4	73.1	72.7	72.4	72.1	71.9	71.6	71.4	71.1	70.9	70.7	70.5	70.3	70.2
66.4	69.4	71	77.5	76.9	76.3	75.8	75.3	74.9	74.5	74.1	73.8	73.5	73.2	72.9	72.6	72.4	72.2	71.9	71.7	71.5	71.3	71.2
67.3	70.4	72	78.6	77.9	77.4	76.9	76.4	75.9	75.5	75.2	74.8	74.5	74.2	73.9	73.6	73.4	73.2	72.9	72.7	72.5	72.3	72.2
68.3	71.4	73	79.6	79.0	78.4	77.9	77.4	77.0	76.6	76.2	75.8	75.5	75.2	74.9	74.7	74.4	74.2	73.9	73.7	73.5	73.4	73.2
69.2	72.3	74	80.7	80.1	79.5	79.0	78.5	78.0	77.6	77.2	76.9	76.6	76.2	76.0	75.7	75.4	75.2	75.0	74.7	74.5	74.4	74.2
70.1	73.3	75	81.8	81.2	80.6	80.1	79.5	79.1	78.7	78.3	77.9	77.6	77.3	77.0	76.7	76.5	76.2	76.0	75.8	75.6	75.4	75.2
71.1	74.3	76	82.9	82.3	81.7	81.1	80.6	80.1	79.7	79.3	79.0	78.6	78.3	78.0	77.7	77.5	77.2	77.0	76.8	76.6	76.4	76.2
72.0	75.3	77	84.0	83.4	82.7	82.2	81.7	81.2	80.8	80.4	80.0	79.7	79.3	79.0	78.8	78.5	78.3	78.0	77.8	77.6	77.4	77.2
72.9	76.3	78	85.1	84.4	83.8	83.3	82.7	82.2	81.8	81.4	81.0	80.7	80.4	80.1	79.8	79.5	79.3	79.0	78.8	78.6	78.4	78.2
73.9	77.2	79	86.2	85.5	84.9	84.3	83.8	83.3	82.9	82.5	82.1	81.7	81.4	81.1	80.8	80.5	80.3	80.0	79.8	79.6	79.4	79.2
74.8	78.2	80	87.3	86.6	86.0	85.4	84.8	84.4	83.9	83.5	83.1	82.8	82.4	82.1	81.8	81.6	81.3	81.0	80.8	80.6	80.4	80.2
75.7	79.2	81	88.4	87.7	87.0	86.5	85.9	85.4	85.0	84.5	84.2	83.8	83.5	83.1	82.9	82.6	82.3	82.0	81.8	81.6	81.4	81.2
76.7	80.2	82	89.5	88.8	88.1	87.5	87.0	86.5	86.0	85.6	85.2	84.8	84.5	84.2	83.9	83.6	83.3	83.1	82.8	82.6	82.4	82.2
77.6	81.1	83	90.6	89.8	89.2	88.6	88.0	87.5	87.1	86.6	86.2	85.9	85.5	85.2	84.9	84.6	84.3	84.1	83.8	83.6	83.4	83.2
78.5	82.1	84	91.6	90.9	90.3	89.7	89.1	88.6	88.1	87.7	87.3	86.9	86.6	86.2	85.9	85.6	85.4	85.1	84.8	84.6	84.4	84.2
79.5	83.1	85	92.7	92.0	91.3	90.7	90.1	89.6	89.2	88.7	88.3	87.9	87.6	87.3	86.9	86.7	86.4	86.1	85.9	85.6	85.4	85.2
80.4	84.1	86	93.8	93.1	92.4	91.8	91.2	90.7	90.2	89.8	89.4	89.0	88.6	88.3	88.0	87.7	87.4	87.1	86.9	86.6	86.4	86.2
81.3	85.0	87	94.9	94.2	93.5	92.9	92.3	91.7	91.3	90.8	90.4	90.0	89.6	89.3	89.0	88.7	88.4	88.1	87.9	87.6	87.4	87.2
82.3	86.0	88	96.0	95.3	94.6	93.9	93.3	92.8	92.3	91.9	91.4	91.0	90.7	90.3	90.0	89.7	89.4	89.1	88.9	88.6	88.4	88.2
83.2	87.0	89	97.1	96.3	95.6	95.0	94.4	93.8	93.4	92.9	92.5	92.1	91.7	91.4	91.0	90.7	90.4	90.1	89.9	89.7	89.4	89.2
84.1	88.0	90	98.2	97.4	96.7	96.1	95.4	94.9	94.4	93.9	93.5	93.1	92.7	92.4	92.1	91.8	91.5	91.2	90.9	90.7	90.4	90.2
85.1	89.0	91	99.3	98.5	97.8	97.1	96.5	96.0	95.4	95.0	94.5	94.1	93.8	93.4	93.1	92.8	92.5	92.2	91.9	91.7	91.4	91.2
86.0	89.9	92	100.4	99.6	98.9	98.2	97.6	97.0	96.5	96.0	95.6	95.2	94.8	94.4	94.1	93.8	93.5	93.2	92.9	92.7	92.4	92.2
86.9	90.9	93	101.5	100.7	99.9	99.3	98.6	98.1	97.5	97.1	96.6	96.2	95.8	95.5	95.1	94.8	94.5	94.2	93.9	93.7	93.4	93.2
87.9	91.9	94	102.6	101.7	101.0	100.3	99.7	99.1	98.6	98.1	97.7	97.2	96.9	96.5	96.1	95.8	95.5	95.2	94.9	94.7	94.5	94.2
88.8	92.9	95	103.6	102.8	102.1	101.4	100.7	100.2	99.6	99.2	98.7	98.3	97.9	97.5	97.2	96.8	96.5	96.2	96.0	95.7	95.5	95.2
89.8	93.8	96	104.7	103.9	103.2	102.5	101.8	101.2	100.7	100.2	99.7	99.3	98.9	98.5	98.2	97.9	97.6	97.2	97.0	96.7	96.5	96.2
90.7	94.8	97	105.8	105.0	104.2	103.5	102.9	102.3	101.7	101.2	100.8	100.3	99.9	99.6	99.2	98.9	98.6	98.3	98.0	97.7	97.5	97.2
91.6	95.8	98	106.9	106.1	105.3	104.6	103.9	103.3	102.8	102.3	101.8	101.4	101.0	100.6	100.2	99.9	99.6	99.3	99.0	98.7	98.5	98.2
92.6	96.8	99	108.0	107.2	106.4	105.7	105.0	104.4	103.8	103.3	102.9	102.4	102.0	101.6	101.3	100.9	100.6	100.3	100.0	99.7	99.5	99.2

TABLE 4

		T+n =	40	41	42	43	44	45	46	47	48	49	50	51
		Y 15 =	42.8	43.8	44.7	45.7	46.7	47.7	48.6	49.6	50.6	51.5	52.5	53.5
		Y 10 =	40.9	41.9	42.8	43.7	44.6	45.6	46.5	47.4	48.4	49.3	50.2	51.2
C 15	C 10	C 7½ | Y 7½	40.0	40.9	41.8	42.7	43.6	44.6	45.5	46.4	47.3	48.2	49.1	50.0
37.4	39.1	40	40.0	39.9	39.8	39.8	39.7	39.6	39.5	39.5	39.4	39.3	39.3	39.2
38.3	40.1	41	41.0	40.9	40.8	40.7	40.7	40.6	40.5	40.4	40.4	40.3	40.3	40.2
39.3	41.1	42	42.0	41.9	41.8	41.7	41.7	41.6	41.5	41.4	41.4	41.3	41.2	41.2
40.2	42.0	43	43.0	42.9	42.8	42.7	42.7	42.6	42.5	42.4	42.4	42.3	42.2	42.2
41.1	43.0	44	44.0	43.9	43.8	43.7	43.6	43.6	43.5	43.4	43.3	43.3	43.2	43.1
42.1	44.0	45	45.0	44.9	44.8	44.7	44.6	44.6	44.5	44.4	44.3	44.3	44.2	44.1
43.0	45.0	46	46.0	45.9	45.8	45.7	45.6	45.5	45.5	45.4	45.3	45.2	45.2	45.1
43.9	45.9	47	47.0	46.9	46.8	46.7	46.6	46.5	46.4	46.4	46.3	46.2	46.1	46.1
44.9	46.9	48	48.0	47.9	47.8	47.7	47.6	47.5	47.4	47.4	47.3	47.2	47.1	47.1
45.8	47.9	49	49.0	48.9	48.8	48.7	48.6	48.5	48.4	48.3	48.3	48.2	48.1	48.0
46.7	48.9	50	50.0	49.9	49.8	49.7	49.6	49.5	49.4	49.3	49.2	49.2	49.1	49.0
47.7	49.9	51	51.0	50.9	50.8	50.7	50.6	50.5	50.4	50.3	50.2	50.2	50.1	50.0
48.6	50.8	52	52.0	51.9	51.8	51.7	51.6	51.5	51.4	51.3	51.2	51.1	51.1	51.0
49.6	51.8	53	53.0	52.9	52.8	52.7	52.6	52.5	52.4	52.3	52.2	52.1	52.0	52.0
50.5	52.8	54	54.0	53.9	53.8	53.7	53.6	53.5	53.4	53.3	53.2	53.1	53.0	52.9
51.4	53.8	55	55.0	54.9	54.8	54.7	54.6	54.5	54.3	54.3	54.2	54.1	54.0	53.9
52.4	54.7	56	56.0	55.9	55.8	55.7	55.5	55.4	55.3	55.2	55.2	55.1	55.0	54.9
53.3	55.7	57	57.0	56.9	56.8	56.6	56.5	56.4	56.3	56.2	56.1	56.1	56.0	55.9
54.2	56.7	58	58.0	57.9	57.8	57.6	57.5	57.4	57.3	57.2	57.1	57.0	56.9	56.9
55.2	57.7	59	59.0	58.9	58.8	58.6	58.5	58.4	58.3	58.2	58.1	58.0	57.9	57.8
56.1	58.7	60	60.0	59.9	59.7	59.6	59.5	59.4	59.3	59.2	59.1	59.0	58.9	58.8
57.0	59.6	61	61.0	60.9	60.7	60.6	60.5	60.4	60.3	60.2	60.1	60.0	59.9	59.8
58.0	60.6	62	62.0	61.9	61.7	61.6	61.5	61.4	61.3	61.2	61.1	61.0	60.9	60.8
58.9	61.6	63	63.0	62.9	62.7	62.6	62.5	62.4	62.3	62.1	62.0	62.0	61.9	61.8
59.8	62.6	64	64.0	63.9	63.7	63.6	63.5	63.4	63.2	63.1	63.0	62.9	62.8	62.8

60.8	63.5	65	65.0	64.9	64.7	64.6	64.5	64.4	64.2	64.1	64.0	63.9	63.8	63.7
61.7	64.5	66	66.0	65.9	65.7	65.6	65.5	65.3	65.2	65.1	65.0	64.9	64.8	64.7
62.6	65.5	67	67.0	66.9	66.7	66.6	66.5	66.3	66.2	66.1	66.0	65.9	65.8	65.7
63.6	66.5	68	68.0	67.9	67.7	67.6	67.4	67.3	67.2	67.1	67.0	66.9	66.8	66.7
64.5	67.5	69	69.0	68.9	68.7	68.6	68.4	68.3	68.2	68.1	68.0	67.9	67.7	67.7
65.4	68.4	70	70.0	69.9	69.7	69.6	69.4	69.3	69.2	69.1	68.9	68.8	68.7	68.6
66.4	69.4	71	71.0	70.8	70.7	70.6	70.4	70.3	70.2	70.0	69.9	69.8	69.7	69.6
67.3	70.4	72	72.0	71.8	71.7	71.6	71.4	71.3	71.1	71.0	70.9	70.8	70.7	70.6
68.3	71.4	73	73.0	72.8	72.7	72.5	72.4	72.3	72.1	72.0	71.9	71.8	71.7	71.6
69.2	72.3	74	74.0	73.8	73.7	73.5	73.4	73.3	73.1	73.0	72.9	72.8	72.7	72.6
70.1	73.3	75	75.0	74.8	74.7	74.5	74.4	74.3	74.1	74.0	73.9	73.7	73.6	73.5
71.1	74.3	76	76.0	75.8	75.7	75.5	75.4	75.2	75.1	75.0	74.8	74.7	74.6	74.5
72.0	75.3	77	77.0	76.8	76.7	76.5	76.4	76.2	76.1	76.0	75.8	75.7	75.6	75.5
72.9	76.3	78	78.0	77.8	77.7	77.5	77.4	77.2	77.1	76.9	76.8	76.7	76.6	76.5
73.9	77.2	79	79.0	78.8	78.7	78.5	78.4	78.2	78.1	77.9	77.8	77.7	77.6	77.5
74.8	78.2	80	80.0	79.8	79.7	79.5	79.4	79.2	79.0	78.9	78.8	78.7	78.5	78.4
75.7	79.2	81	81.0	80.8	80.7	80.5	80.3	80.2	80.0	79.9	79.8	79.6	79.5	79.4
76.7	80.2	82	82.0	81.8	81.7	81.5	81.3	81.2	81.0	80.9	80.8	80.6	80.5	80.4
77.6	81.1	83	83.0	82.8	82.6	82.5	82.3	82.2	82.0	81.9	81.7	81.6	81.5	81.4
78.5	82.1	84	84.0	83.8	83.6	83.5	83.3	83.2	83.0	82.9	82.7	82.6	82.5	82.4
79.5	83.1	85	85.0	84.8	84.6	84.5	84.3	84.2	84.0	83.8	83.7	83.6	83.5	83.3
80.4	84.1	86	86.0	85.8	85.6	85.5	85.3	85.1	85.0	84.8	84.7	84.6	84.4	84.3
81.3	85.0	87	87.0	86.8	86.6	86.5	86.3	86.1	86.0	85.8	85.7	85.5	85.4	85.3
82.3	86.0	88	88.0	87.8	87.6	87.5	87.3	87.1	87.0	86.8	86.7	86.5	86.4	86.3
83.2	87.0	89	89.0	88.8	88.6	88.4	88.3	88.1	87.9	87.8	87.7	87.5	87.4	87.3
84.1	88.0	90	90.0	89.8	89.6	89.4	89.3	89.1	88.9	88.8	88.6	88.5	88.4	88.2
85.1	89.0	91	91.0	90.8	90.6	90.4	90.3	90.1	89.9	89.8	89.6	89.5	89.3	89.2
86.0	89.9	92	92.0	91.8	91.6	91.4	91.3	91.1	90.9	90.8	90.6	90.5	90.3	90.2
86.9	90.9	93	93.0	92.8	92.6	92.4	92.2	92.1	91.9	91.7	91.6	91.4	91.3	91.2
87.9	91.9	94	94.0	93.8	93.6	93.4	93.2	93.1	92.9	92.7	92.6	92.4	92.3	92.2
88.8	92.9	95	95.0	94.8	94.6	94.4	94.2	94.1	93.9	93.7	93.6	93.4	93.3	93.1
89.8	93.8	96	96.0	95.8	95.6	95.4	95.2	95.0	94.9	94.7	94.5	94.4	94.3	94.1
90.7	94.8	97	97.0	96.8	96.6	96.4	96.2	96.0	95.8	95.7	95.5	95.4	95.2	95.1
91.6	95.8	98	98.0	97.8	97.6	97.4	97.2	97.0	96.8	96.7	96.5	96.4	96.2	96.1
92.6	96.8	99	99.0	98.8	98.6	98.4	98.2	98.0	97.8	97.7	97.5	97.3	97.2	97.1

TABLE N

N =	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
$\frac{N}{100-N}$ =	.053	.064	.075	.087	.099	.111	.123	.136	.149	.163	.176	.190	.205	.220	.235	.250
C—P																
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3
2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5
3	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8
4	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0
5	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.9	1.0	1.0	1.1	1.2	1.3
6	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.5
7	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8
8	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.0
9	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.8	2.0	2.1	2.3
10	0.5	0.6	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.3	2.5
11	0.6	0.7	0.8	1.0	1.1	1.2	1.3	1.5	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.8
12	0.6	0.8	0.9	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.1	2.4	2.5	2.6	2.8	3.0
13	0.7	0.8	1.0	1.1	1.3	1.4	1.6	1.8	1.9	2.1	2.3	2.6	2.7	2.9	3.1	3.3
14	0.7	0.9	1.1	1.2	1.4	1.6	1.7	1.9	2.1	2.3	2.5	2.8	2.9	3.1	3.3	3.5
15	0.8	1.0	1.1	1.3	1.5	1.7	1.8	2.0	2.2	2.4	2.6	3.0	3.1	3.3	3.5	3.8
16	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.1	3.3	3.5	3.8	4.0
17	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.8	3.0	3.3	3.5	3.7	4.0	4.3
18	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.7	2.9	3.2	3.5	3.7	4.0	4.2	4.5
19	1.0	1.2	1.4	1.7	1.9	2.1	2.3	2.6	2.8	3.1	3.3	3.7	3.9	4.2	4.5	4.8
20	1.1	1.3	1.5	1.7	2.0	2.2	2.5	2.7	3.0	3.3	3.5	3.9	4.1	4.4	4.7	5.0

21	1.2	1.3	1.6	1.8	2.1	2.3	2.6	2.9	3.1	3.4	3.7	4.0	4.3	4.6	4.9	5.3
22	1.2	1.4	1.7	1.9	2.2	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.2	5.5
23	1.3	1.5	1.7	2.0	2.3	2.6	2.8	3.1	3.4	3.7	4.0	4.4	4.7	5.1	5.4	5.8
24	1.3	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.6	4.9	5.3	5.6	6.0
25	1.4	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4.1	4.4	4.8	5.1	5.5	5.9	6.3
26	1.4	1.7	2.0	2.3	2.6	2.9	3.2	3.5	3.9	4.2	4.6	4.9	5.3	5.7	6.1	6.5
27	1.5	1.7	2.0	2.3	2.7	3.0	3.3	3.7	4.0	4.4	4.8	5.1	5.5	5.9	6.3	6.8
28	1.5	1.8	2.1	2.4	2.8	3.1	3.4	3.8	4.2	4.6	4.9	5.3	5.7	6.2	6.6	7.0
29	1.6	1.9	2.2	2.5	2.9	3.2	3.6	3.9	4.3	4.7	5.1	5.5	5.9	6.4	6.8	7.3
30	1.6	1.9	2.3	2.6	3.0	3.3	3.7	4.1	4.5	4.9	5.3	5.7	6.2	6.6	7.1	7.5
31	1.7	2.0	2.3	2.7	3.1	3.4	3.8	4.2	4.6	5.1	5.5	5.9	6.4	6.8	7.3	7.8
32	1.7	2.0	2.4	2.8	3.2	3.6	3.9	4.4	4.8	5.2	5.6	6.1	6.6	7.0	7.5	8.0
33	1.8	2.1	2.5	2.9	3.3	3.7	4.1	4.5	4.9	5.4	5.8	6.3	6.8	7.3	7.8	8.3
34	1.9	2.2	2.6	3.0	3.4	3.8	4.2	4.6	5.1	5.5	6.0	6.5	7.0	7.5	8.0	8.5
35	1.9	2.2	2.6	3.0	3.5	3.9	4.3	4.8	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.8
36	2.0	2.3	2.7	3.1	3.6	4.0	4.4	4.9	5.4	5.9	6.3	6.8	7.4	7.9	8.5	9.0
37	2.0	2.4	2.8	3.2	3.7	4.1	4.6	5.0	5.5	6.0	6.5	7.0	7.6	8.1	8.7	9.3
38	2.1	2.4	2.9	3.3	3.8	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.8	8.4	8.9	9.5
39	2.1	2.5	2.9	3.4	3.9	4.3	4.8	5.3	5.8	6.4	6.9	7.4	8.0	8.6	9.2	9.8
40	2.2	2.6	3.0	3.5	4.0	4.4	4.9	5.4	6.0	6.5	7.0	7.6	8.2	8.8	9.4	10.0

TABLE N

N=	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
$\frac{N}{100-N}$	.266	.282	.299	.316	.333	.351	.370	.389	.408	.429	.449	.471	.493	.515	.538
C—P															
1	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
2	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.1
3	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.5	1.5	1.6
4	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.9	2.0	2.1	2.2
5	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.7
6	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.6	2.7	2.8	3.0	3.1	3.2
7	1.9	2.0	2.1	2.2	2.3	2.5	2.6	2.7	2.9	3.0	3.1	3.3	3.5	3.6	3.8
8	2.1	2.3	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.6	3.8	3.9	4.1	4.3
9	2.4	2.5	2.7	2.8	3.0	3.2	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.8
10	2.7	2.8	3.0	3.2	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4
11	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.7	5.9
12	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.7	4.9	5.1	5.4	5.7	5.9	6.2	6.5
13	3.5	3.7	3.9	4.1	4.3	4.6	4.8	5.1	5.3	5.6	5.8	6.1	6.4	6.7	7.0
14	3.7	3.9	4.2	4.4	4.7	4.9	5.2	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5
15	4.0	4.2	4.5	4.7	5.0	5.3	5.6	5.8	6.1	6.4	6.7	7.1	7.4	7.7	8.1
16	4.3	4.5	4.8	5.1	5.3	5.6	5.9	6.2	6.5	6.9	7.2	7.5	7.9	8.2	8.6
17	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.3	7.6	8.0	8.4	8.8	9.1
18	4.8	5.1	5.4	5.7	6.0	6.3	6.7	7.0	7.3	7.7	8.1	8.5	8.9	9.3	9.7
19	5.1	5.4	5.7	6.0	6.3	6.7	7.0	7.4	7.8	8.2	8.5	8.9	9.4	9.8	10.2
20	5.3	5.6	6.0	6.3	6.7	7.0	7.4	7.8	8.2	8.6	9.0	9.4	9.9	10.3	10.8

21	5.6	5.9	6.3	6.6	7.0	7.4	7.8	8.2	8.6	9.0	9.4	9.9	10.4	10.8	11.3
22	5.9	6.2	6.6	7.0	7.3	7.7	8.1	8.6	9.0	9.4	9.9	10.4	10.8	11.3	11.8
23	6.1	6.5	6.9	7.3	7.7	8.1	8.5	8.9	9.4	9.9	10.3	10.8	11.3	11.8	12.4
24	6.4	6.8	7.2	7.6	8.0	8.4	8.9	9.3	9.8	10.3	10.8	11.3	11.8	12.4	12.9
25	6.7	7.1	7.5	7.9	8.3	8.8	9.3	9.7	10.2	10.7	11.2	11.8	12.3	12.9	13.5
26	6.9	7.3	7.8	8.2	8.7	9.1	9.6	10.1	10.6	11.2	11.7	12.2	12.8	13.4	14.0
27	7.2	7.6	8.1	8.5	9.0	9.5	10.0	10.5	11.0	11.6	12.1	12.7	13.3	13.9	14.5
28	7.4	7.9	8.4	8.8	9.3	9.8	10.4	10.9	11.4	12.0	12.6	13.2	13.8	14.4	15.1
29	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.3	11.8	12.4	13.0	13.7	14.3	14.9	15.6
30	8.0	8.5	9.0	9.5	10.0	10.5	11.1	11.7	12.2	12.9	13.5	14.1	14.8	15.5	16.1
31	8.2	8.7	9.3	9.8	10.3	10.9	11.5	12.1	12.6	13.3	13.9	14.6	15.3	16.0	16.7
32	8.5	9.0	9.6	10.1	10.7	11.2	11.8	12.4	13.1	13.7	14.4	15.1	15.8	16.5	17.2
33	8.8	9.3	9.9	10.4	11.0	11.6	12.2	12.8	13.5	14.2	14.8	15.5	16.3	17.0	17.8
34	9.0	9.6	10.2	10.7	11.3	11.9	12.6	13.2	13.9	14.6	15.3	16.0	16.8	17.5	18.3
35	9.3	9.9	10.5	11.1	11.7	12.3	13.0	13.6	14.3	15.0	15.7	16.5	17.3	18.0	18.8
36	9.6	10.2	10.8	11.4	12.0	12.6	13.3	14.0	14.7	15.4	16.2	17.0	17.7	18.5	19.4
37	9.8	10.4	11.1	11.7	12.3	13.0	13.7	14.4	15.1	15.9	16.6	17.4	18.2	19.1	19.9
38	10.1	10.7	11.4	12.0	12.7	13.3	14.1	14.8	15.5	16.3	17.1	17.9	18.7	19.6	20.4
39	10.4	11.0	11.7	12.3	13.0	13.7	14.4	15.2	15.9	16.7	17.5	18.4	19.2	20.0	21.0
40	10.6	11.3	12.0	12.6	13.3	14.0	14.8	15.6	16.3	17.2	18.0	18.8	19.7	20.6	21.5

JUN. 7 1905

LIBRARY OF CONGRESS
0 015 870 925 9